

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-173301

(43)Date of publication of application : 08.07.1997

(51)Int.Cl.

A61B 5/00

G01N 21/33

G01N 33/50

(21)Application number : 07-341719

(71)Applicant : KAO CORP

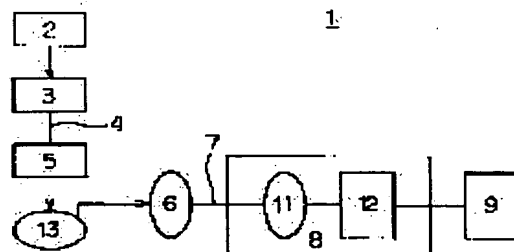
(22)Date of filing : 27.12.1995

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HOSHI MASATO**(54) METHOD FOR EVALUATING CHAPPING OF SKIN OR DAMAGE AND DETERIORATION OF HAIR OR NAIL AND DEVICE THEREFOR****(57)Abstract:**

PROBLEM TO BE SOLVED: To make it possible to objectively and exactly evaluate the degree of the chapping, etc., of the skin by irradiating the skin, etc., with UV light and measuring the waveform of the fluorescent band of the arom. amino acid in keratin having the fluorescence maximal near a specific wavelength, thereby evaluating the degree of chapping, etc., of the skin.

SOLUTION: The front end of a probe 5 is pressed to the skin surface and the UV light from a light source 2 is introduced via a first optical cable section 4 and is irradiated toward the skin from the front end of the probe 5. The fluorescence derived from the arom. amino acid in the keratin forming the stratum corneum, etc., of the skin is then emitted. This fluorescence is condensed in a light condensing section 6 and is introduced via a second optical cable part to a spectral detecting section 8. The spectroscope 11 of this spectral detecting

section 8 allows the transmission of the fluorescent band derived from the arom. amino acid in the keratin having the fluorescence maximal near 330nm and cuts the fluorescence of the wavelengths exclusive thereof. The fluorescence is detected by a photodetector 12 and is transduced to an electric signal which is sent to an information processing section 9. The relation between the wavelength and intensity of the fluorescence is thereby determined.

**LEGAL STATUS**

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision
of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

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